ABM Defense Nears Acceptance

By George C. Wilson Washington Post Staff Writer

There is now a better than States will build a limited missile defense costing between \$3 billion and \$6 billion.

Technical, political and diplomatic developments have weighted the odds in favor of such a system, informed civilian and military officials be-lieve, although Secretary of Defense Robert S. McNamara is still considered a holdout.

On the technical front, most of the Pentagon's civilian hierarchy believes it is time to go from the current paper studies and test firings to working anti-ballistic-missile (ABM) hardware.

research chief Pentagon John S. Foster Jr.; Army Secretary Stanley R. Resor; Navy Secretary Paul H. Nitze, and Air Force Secretary Harold Brown all are in this camp. They differ in their degrees of enthusiasm and also in just where the defending missiles portance that these discussions should be put. But they are agreed that some kind of missile defense is justified if feel a deep sense of urgency." the Soviet Union cannot be talked out of going ahead with her ABM.

Military All for It

Military leaders are all for last year and, to a lesser degree, the year before. They want a tighter missile de that an ABM system, even if sites. fense, starting with a package the Soviet Union continues costing \$10 billion and then doubling it later in coverage United States any more secur-defense contemplated would and cost. Secretary McNamara ity. He has argued that the be a combination of sites on has doubled their top esti-name of the game is deter-the coast and inland for maximate arbitrarily, predicting rence — scaring the enemy mum protection. Still, some that the ultimate cost would out of any thoughts of start 30 sites of ten Spartans each be some \$40 billion.

defense is all but irresistible. The House Appropriations others argue that a thin de-Committee has said that some fense would have a good planned. But besides these kind of missile insurance is chance of stopping ICBMs Spartans, the sites would need worth buying, even if it is fired accidently as well as some short-range Sprints to not comprehensive. And an early Chinese missiles. Some protect their radars. increasing number of lawmak weapon specialists see a big Sprint, with a range of ers are asking, why quibble advantage against the Russian about 25 miles, is designed to ever \$6 billion to protect the threat as well, contending that intercept close to the earth must get closer to the enemy United States spends \$2 bil-plicating factor they would elude Spartans out in space. H-bomb can do its task—turn lion a month on Vietnam? have to contend with as they The thickening of the ABM the incoming warhead into a lion a month on Vietnam?

lenge that the U.S. missile de-strike. fense system, called Nike X, trary on record.

should wait to see whether we can talk the Soviet Union out of going ahead with a missile defense; then both nations can save billions. Congress has Many Combinations stood still for this approach.

But in recent weeks, the patience of the lawmakers on this question has grown thin. They have been asking the Pentagon leaders how long the United States intends to put off building an ABM in hopes an agree-U.S.S.R.

No Deadline Set

The Pentagon leaders have not set a deadline. But Deputy Defense Secretary Cyrus Vance is on record as saying: "We feel that it is of the utmost im-(on an ABM freeze) move for-

Privately, State Department of the United States. officials say there is little prospect of meaningful negoon the ABM.

If Secretary McNamara building one, will not buy the ing a nuclear war in the first would put a thin umbrella Politically, the modest \$3 place because it would mean billion to \$6 billion missile suicide.

billion.

toys — they can be built in ment can be reached with the range one called the Sprint Sprint counts mostly on blast, and three different types of heat and neutrons, not X-rays. radar for keeping an eye on incoming ICBMs and directto them.

intercept a warhead out in space. With this much range, ward as rapidly as possible. We could be spaced 300 miles X-rays, ten per cent neutrons apart all around the perimeter and the rest fission products.

take ten Spartan missiles into such a high amount of tiations with the Soviet Union sites to cover the Canadian border of the United States, another ten for the southern warhead would be melted. an ABM defense, as they were chooses to make the fight, he periphery of the United States must sell the President and and five each on the east and

> But instead of such a perimeter defense, the thin ABM over the entire United States.

This minimum force of 300 Army Secretary Resor and Spartans compares with 1000 Minuteman offensive ICBMs

longer say without serious chal-1 weighed the risks of a first makes the price go up. For example, the Joint Chiefs of Foster, director of Pentagon Staff would have about 1000 even chance that the United has too many bugs in it to jus- research, estimates that the Spartans and 100 Sprints in tify building. There is too much thin defense would cost about their \$10 billion defense technical evidence to the con- \$3 billion and another \$800 called Posture A. Their \$20 million for fallout shelters. billion defense-Posture B for He can say, and has, that we Beefing up the defense here protecting 50 instead of 25 and there, say around our cities -- would be about the ICBM sites; could raise the same number of Spartans price to \$6 billion or even \$8 backed up by thousands of Sprints.

The way Spartan and Sprint The reason the prices can would stop an incoming warvary so widely is that U.S. head would be to explode their Nike X parts are like thinker hydrogen bomb tips near it. any number of combinations. The Spartan relies on X-rays There is a long-range missile and neutrons to blow up or called the Spartan, a short-incapacitate the warhead. The

If the radars do their job, Spartan would get within ing our Spartans and Sprints three miles and perhaps one mile of the incoming warhead. The Spartan has a range of Then its one megaton plus 400 miles. It is designed to warhead-50 times the power of the Hiroshima bomb would go off. About 80 per batteries of ten Spartans each cent of the yield would be

The X-rays would slam into With such spacing, it would the warhead casing, changing heat that the warhead would be ruined. The casing of the

Its bomb turned into a dud and its heat shield ruined, ... Congress on the proposition west coasts for a total of 30 the warhead would most likely burn up or break up when it hit the atmosphere.

The reason the X-rays are so effective is that there is no atmosphere in space to slow them down. They travel for miles, but do spread out eventually like a flashlight beam.

The neutrons from Spartan would do their damage by working on U-238 packed inside the warhead. The neutrons would travel through the warhead casing and ruin the H-bomb inside.

The Sprint, unlike the Spartan, relies primarily on heat from its fireball and the neutrons. This means the Sprint whole United States when the an ABM is one more com- those enemy warheads which warhead before its own small

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